EMERY ROTH & SONS

PLAZA 3-1733

MEMORANDUM

March 3 19 68

TO M. Levy FROM H. Tsuchiya

RE: Project C211 - World Trade Center

J. O'Keefe restated his opinion that the use of precast gypsum is the answer to the problem of fireproofing the exterior of the towers for the following reasons: (1) it is a clean operation compared to any spray application, (2) it is relatively economical (3) it is relatively permanent, both during construction when it is exposed as well as afterwards (4) there will be no problem with respect to protecting finished wall surfaces below from either spray material or undesirable wash, (5) there are no problems with installation due to weather conditions as there would be with a spray application before, during, or after installation.

Alcoa-Cupples agreed, however, that the spray application appears to be feasible, and to be the most economical of the various possible methods. It was suggested that we check 140 Broadway where the exterior structural columns and beams are being fireproofed with a spray-on type of material. This is the only application in New York to our knowledge where a sprayed on fireproofing is being or has been used on exterior building columns. The problems of installing, curing, and protecting the sprayed-on column fireproofing material during construction are quite different from the problems encountered with the usual exterior spandrel beam applications. We will, therefore, observe this installation, particularly from the standpoint of application, curing, and protection methods, and other possible problems for information which would be pertinent to our towers.

No further work was requested of Alcoa-Cupples at the time, but we will ask if they will submit a further modification by March 15, based on a system which would retain a flush spandrel panel appearance, the column cover as one side of the sash and spandrel frame to minimize the joints, and employ heel bead glazing.

Attached are Alcoa-Cupples drawings numbered SK 1, 2 and 3 of 3 dated 2/17/68 for your use, records, and comments.

HT:rb

cc: M. Yamasaki
J. Roth
I. Gershon
M. Wolff
H. Klippel
H. Ossalor
T. [illegible]

PLAINTIFF'S EXHIBIT PX-448